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**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor:	Dan Meacham	Examiner:	Michael B. Shingleton
Application No.:	10/698,990	Art Unit:	2817
Filed:	October 31, 2003	Docket No.:	AIELP008
Title:	FAST-HOPPING FREQUENCY SYNTHESIZER		

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in a prepaid envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:

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Veronica Pula

INFORMATION DISCLOSURE STATEMENT  
BEFORE MAILING DATE OF EITHER A FINAL ACTION OR  
NOTICE OF ALLOWANCE (37 CFR 1.97(c))

Mail Stop Amendment  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313

Dear Sir:

The references listed in the attached PTO SB/08A&B, may be material to examination of the above-identified patent application. Applicants disclose these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application. Copies of the cited references are provided to the extent required by 37 CFR §1.98 and any applicable waivers.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is being filed after the mailing date of the first Office Action on the merits, or after three months of the filing date of this national application or the date of entry of the national stage as set forth in §1.491 in an international application,

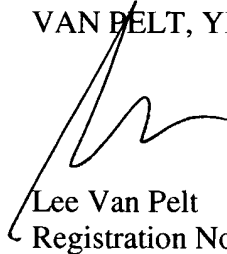
whichever event occurred last, but it is believed, before the mailing date of either (1) a final action under §1.113 or (2) a notice of allowance under §1.311, whichever occurs first.

CERTIFICATION UNDER 37 CFR §1.97(e)

The undersigned hereby certifies that each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement. Accordingly, it is respectfully submitted that no fee is due in conjunction with the filing of this IDS. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 50-0685 (Order No.AIELP008).

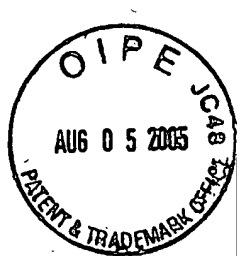
Respectfully submitted,

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<b>Information Disclosure Statement By Applicant</b> (Use as many sheets as necessary)		<b>Complete if Known</b>			
		Application No.:	10/698,990		
		Filing Date	October 31, 2003		
		First Named Inventor	Dan Meacham		
		Art Unit	2817		
		Examiner Name	Michael B. Shingleton		
Sheet	1	of	1	Atty Docket No.	AIELP008

U.S. Patent Documents					
Examiner Initials	Cite No.	Document Number Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A.				
	B.				
	C.				
	D.				
	E.				
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FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code-Number-Kind Code (if known)			
	G.	2001-186059 JP	07-06-2001		
	H.				
	I.				

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
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	K.		
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Examiner	Date Considered
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Include copy of this form with next communication to applicant.

T<sup>2</sup> = Applicant is to place a check mark here if English language Translation is attached